

**CLAIMS**

- 5 1. A catalytic converter, said converter comprising fibers, said fibers having a fiber surface, said converter comprising catalytic material, substantially all of said catalytic material being present on said fiber surface, characterized in that said fibers are present in said catalytic converter as discrete fibers.
- 10 2. A catalytic converter as in claim 1, wherein said fibers consisting in m groups of fibers, for which m being equal or larger than two, said catalytic material consisting in n different catalytic compounds, for which m being equal or larger than n, wherein each of said m groups of fibers have at maximum one of said n catalytic compounds  
15 present on their fiber surface.
- 20 3. A catalytic converter as in one of the claims 1 to 2, wherein at least one of said m groups of fibers has no catalytic compound present on their fiber surface.
- 25 4. A catalytic converter as in one of the claims 1 to 3, said catalytic converter comprising a canning having an inner volume, said fibers filling said inner volume, said fibers being unequally distributed over said volume.
- 30 5. A catalytic converter as in one of the claims 1 to 3, said catalytic converter comprising a canning having an inner volume, said fibers filling said inner volume, said fibers being equally distributed over said volume.
6. A catalytic converter as in one of the claims 2 to 3, said catalytic converter comprising a canning having an inner volume, each of said m groups of fibers being present in only one discrete part of said volume.

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7. A catalytic converter as in one of the claims 1 to 6, wherein at least part of said fibers is formed by metal fibers.
- 5 8. A catalytic converter as claim 7, wherein all of said fibers are metal fibers
9. A method to provide a catalytic converter as in one of the preceding claims, comprising the steps of
- 10     – Providing at least one bundle of discrete fibers;
- Coating said at least one of bundle of discrete fibers with catalytic material, so as to provide a bundle of coated discrete fibers;
- Providing a canning having an inner volume;
- 15     – Providing all said at least one bundle of discrete fibers in said volume.
10. A method to provide a catalytic converter as in claim 9, wherein at least m bundles of discrete fibers being provided, m being equal or
- 20     larger than two, said catalytic material consisting of n different catalytic compounds, m being equal or larger than n, wherein each of said m bundles of discrete fibers is coated with at maximum one of said n catalytic compounds.
- 25 11. A method to provide a catalytic converter as in one of the claims 9 to 10, wherein at least one of said m bundles of discrete fibers is not coated.
- 30 12. A method to provide a catalytic converter as in one of the claims 9 to 11, wherein the said bundle of discrete fibers being provided equally distributed in said volume.

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13. A method to provide a catalytic converter as in one of the claims 9 to 11, wherein the said bundle of discrete fibers being provided unequally distributed in said volume.

5 14. A method to provide a catalytic converter as in one of the claims 9 to 10, wherein each of said m bundles of discrete fibers being provided in only one discrete part of said volume.

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